Examining Three Instruments for use with Soldiers

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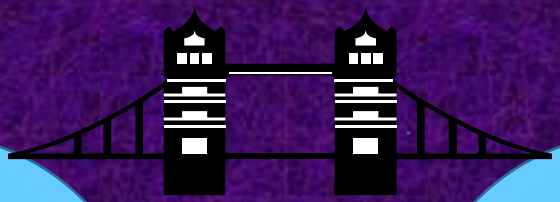
Soldier Instruments

- An idea is born



Soldier Care

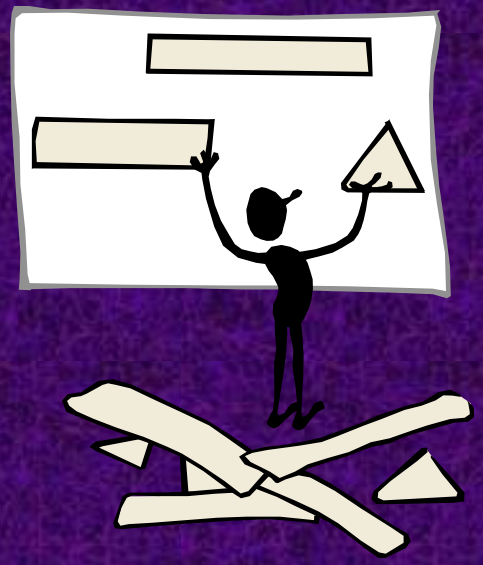
TRICARE

Soldier Instruments

- Part of a larger study
  - Database
  - Guidelines
  - Instruments
  - Intervention

Soldier Instruments

- Conceptual Framework
  - Case Management
  - Injured Workers
  - Quality Care



Soldier Instruments

- **Purpose**

  Instrument pilot test

  - **Medical Outcomes Study Short Form (SF-12)**
  - **Stanford Health Assessment Questionnaire (HAQ)**
  - **Patient Satisfaction Questionnaire IV (PSQ IV)**

Soldier Instruments

- **Design**

  Descriptive:

  Evaluate psychometric properties

Soldier Instruments

- **Population**
  - **Fort Lewis Soldiers**
  - **Musculoskeletal Injuries**

Soldier Instruments

- **Methods**
  - **Focus Groups (N=23)**
    - **SF-12 → SF-13**
    - **HAQ (21 items) → 100**
    - **PSQ IV (51 items) → 42**
    - **Plus demographics**

Soldier Instruments

- **Methods**
  - **Survey (N=696)**

Soldier Instruments

- Analysis (N=145)

All questions

- Frequencies
- Descriptive statistics

Soldier Instruments

- Analysis (N=145)

HAQ and PSQ

- Inter-item correlations
- Reliability coefficients

Soldier Instruments

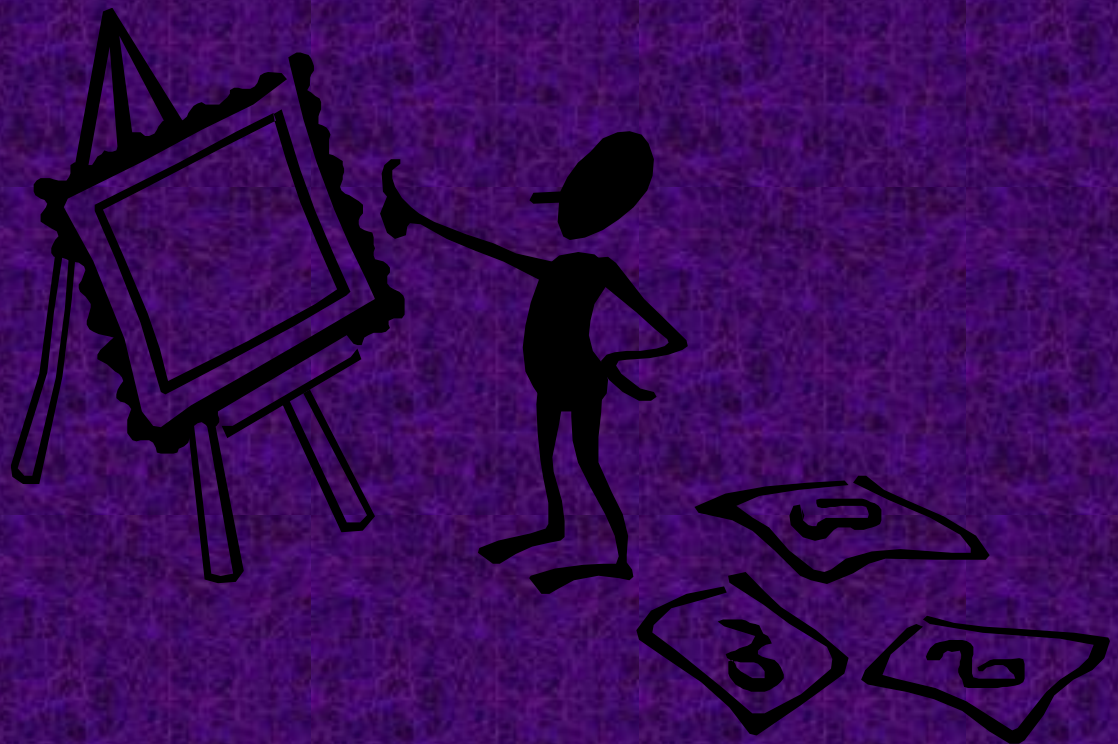
- Analysis

SF-12

- Easy to administer
- Difficult to score
- Scoring software
  http://www.qualitymetric.com

Soldier Instruments

- **Findings**
  - **SF-12 → SF-13 → SF-12**



Soldier Instruments

- **Findings**
  - **HAQ (21) → 100 → 25**
    - **21 core items: alpha = 0.92**
    - **25 items: alpha = 0.90**
    - **Removing one more**

Soldier Instruments

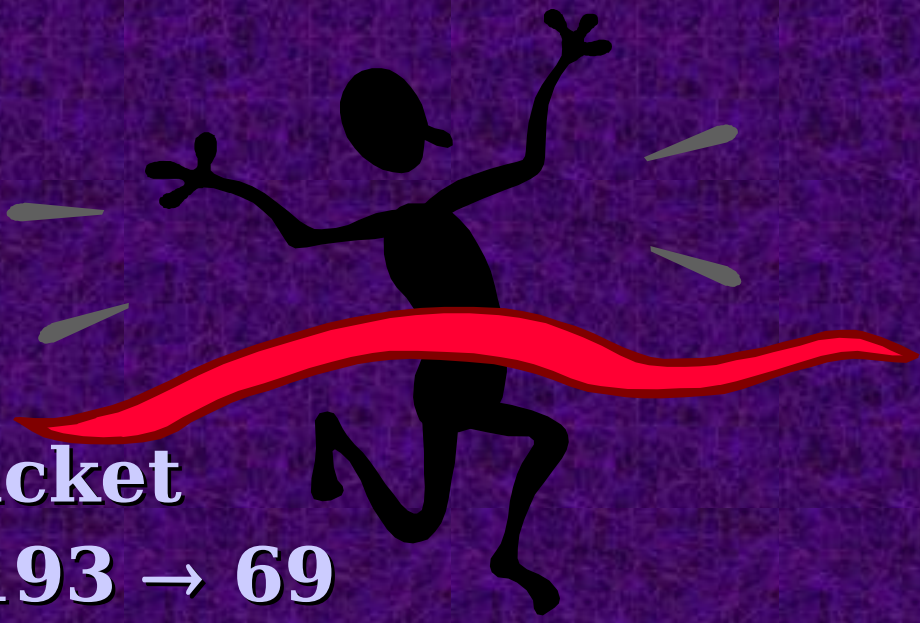
- **Findings**
  - PSQ IV (51) → 42 → 12
    - 42 items: alpha = 0.93
    - 12 items: alpha = 0.91
    - Rewording
    - Response sets
    - Renamed to SSQ

Soldier Instruments

- **Findings**
  - **Demographics**
    - **Traditional**
    - **Investigator developed questions**
    - **Example: According to your unit's deployability criteria, are you currently medically deployable?**
    - **Items: 38 → 20**

Soldier Instruments

- Conclusion



  - Less is okay
    - 13 page packet
    - Reduced: 193 → 69
    - Instruments: 49 items
    - Demographics: 20 items

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